AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 of 1

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
A0001	5TH of March 2023	PR11372326	

6. ISSUED BY CODE	7. ADMINISTERED BY (*If other than Item 6*) CODE
AMERICAN EMBASSY KUWAIT AL MASJID AL AQSA STREET ATTN: GSO/Procurement BAYAN, KUWAIT 13001	

8. NAME AND ADDRESS OF CONTRACTOR (*NO., street,city,county,State,and ZIP Code*)	9a. AMENDMENT OF SOLICITATION NO. 19KU2023Q0007
	9b. DATED *(SEE ITEM 11)* January 31, 2023
	10a. MODIFICATION OF CONTRACT/ORDER NO.
	10b. DATED *(SEE ITEM 13)*

11. **THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [X] is extended, [ ] is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning ___1____ copies of the amendment;(b) By acknowledging receipt of this amendment on each copy of the offer submitted; or(c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. **ACCOUNTING AND APPROPRIATION DATA** *(If required)*

13. **THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)*

E. **IMPORTANT:** Contractor [ ] is not, [ ] is required to sign this document and return ___ copies to the issuing office.

14. **DESCRIPTION OF AMENDMENT/MODIFICATION** *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

This Amendment is made only on the SOW, "replacing the Annual Service to 2 Semi-Annual. Modification made to Page 20, 21 & 22

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (*Type or print*)		16A. NAME OF CONTRACTING OFFICER Irina Itkin	
15B. NAME OF CONTRACTOR/OFFEROR BY _____ *(Signature of person authorized to sign)*	15C.DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ *(Signature of Contracting Officer)*	16C.DATE SIGNED

CHILLERS
MAINTENANCE PROCEDURES:

Modular Chiller: 7 Chillers with 32 Modules Total

2 Semi - Annual

1. Disconnect power source and lock out. Check electrical wiring and connections; tighten loose connections.
2. Inspect all electrical connections to check that they are not damaged, and terminals are tight. Inspect all contactors for pitting and corrosion replace, as necessary.
3. Inspect all cabinet screws nuts and bolts, fan motor mount bolts, fan blade set screws, shell and tube evaporator mounting, end cap bolts and connection bolts, brazed plate evaporator mounting bolts as well as compressor and pump mounting bolts for tightness as well as anti-vibration and isolator pads.
4. Check all fuses to make sure that they are sized correctly with proper amp rating.
5. Check all refrigerant pressures and inspect compressor in operation – look for signs of overheating, oil leaks or refrigerant leaks.
6. Conduct “sniffer” leak check of entire refrigerant piping system. Inspect compressor terminals when powered down for pitting, corrosion, and loose connections.
7. Check that pressure switches and thermostats have correct cut-in and cut-out settings.
8. Check that the oil level is visible in each compressor and not discolored or bubbled. Take oil sample and analyze for destructive acids, corrosive materials, and metal deposits.
9. Check that the pump(s) overload settings match the nameplate(s) and that they work properly.
10. Ensure that the condensing unit is clean and clear of surrounding debris and that panels are clear.
11. Check and record the compressor amperage draws and voltage.
12. Check and record the fan motor amp draws and voltage. Make sure of proper rotation and lubricate if required.
13. Check and record amp draw of the pumps and voltage. Check for signs of leakage at pump seal and suction and discharge connections.
14. Record G.P.M. water flow and compare to design specifications.
15. Check the glycol level of the chilled water.
16. Check that there is a sufficient Glycol level in feeder tank and check for proper operation.
17. Tighten all Rota-Lock nuts at the Compressors, Receivers, and accumulators. Torque is per manufacturer’s recommendations.
18. Inspect all control capillary tubing to ensure that the lines are separated and not vibrating against each other or any part of the frame or housing.
19. Inspect all other refrigeration lines for secure mountings. Take corrective measures necessary to prevent piping from rubbing the frame etc.
20. Inspect all insulation on piping and control sensors. Repair and replace, as necessary. Inspect entire plumbing system for leaks and clean any strainers on the system. Replace, as necessary.
21. Check crank case heaters to verify proper operation. Keep spares in stock.
22. Take a refrigerant sample and analyze for moisture, acid, and rust.
23. Check operating pressures and temperatures and evaluate whether the system has a full refrigerant charge.
24. Review logged alarms and look for repeat trends.
25. Document the preventive maintenance task that have been completed and submit to the Government.

Motor Starter /Variable Frequency Drive (5 HP to Less Than 100 HP):

MAINTENANCE PROCEDURES:

2 Semi-Annual:

1. Vacuum dust and dirt from heat sink fins
2. Check ventilation fans for proper operation and clean as needed.
3. Check line voltage, motor & output phase balance
4. Complete RCM Procedure CM-0002 (Qualitative Infrared Testing).
5. Visually inspect for broken parts, contact arcing, or any evidence of overheating.
6. Check motor nameplate for current rating and controller manufacturer's recommended heater size (report discrepancy to supervisor).
7. Check line and load connections for tightness (check manufacturer's instructions for torque specifications).
8. Check heater mounting screws for tightness.
9. Check all control wiring connections for tightness.
10. On units equipped with motor reversing capacity, check mechanical interlock.
11. On units equipped with two-stage starting, check dash pots and timing controls for proper operation. Adjust as required.
12. On units equipped with variable speed starters:
    a. Record the VFD parameter settings using MCT-10
    b. Confirm the VFD doors and covers are in place and properly closed.
    c. Check tightness of connections to resistor bank.
    d. Check resistor coils and plates for cracking, broken wires, mounting and signs of overheating. Clean as required.
    e. Check tightness of connections to drum controller.
    f. Check contacts of drum controller for arcing and overheating. Apply a thin film of lubricant to drum controller contacts and to rotating surfaces.
13. Check starter's contact connections by applying a thin film of black contact grease to line and load stabs, operate contacts and check surface contact.
14. Lubricate all moving parts with proper lubricant.
15. Clean interior of cabinet.
16. Clean exterior of cabinet.
17. Energize circuit and check operation of starter and any pilot lights. Replace as required.

Panel, Electronic Controls:

2 Semi-Annual:

1. Clean panel interior.
2. Verify functionality of supported devices.
3. Clean ventilation filter and fan (if applicable).
4. Record and report equipment damage or deficiencies.
5. Record results in the equipment history log

2 Semi-Annual:

1. Replace battery where applicable.